

3399349-4404
TOP SECRET

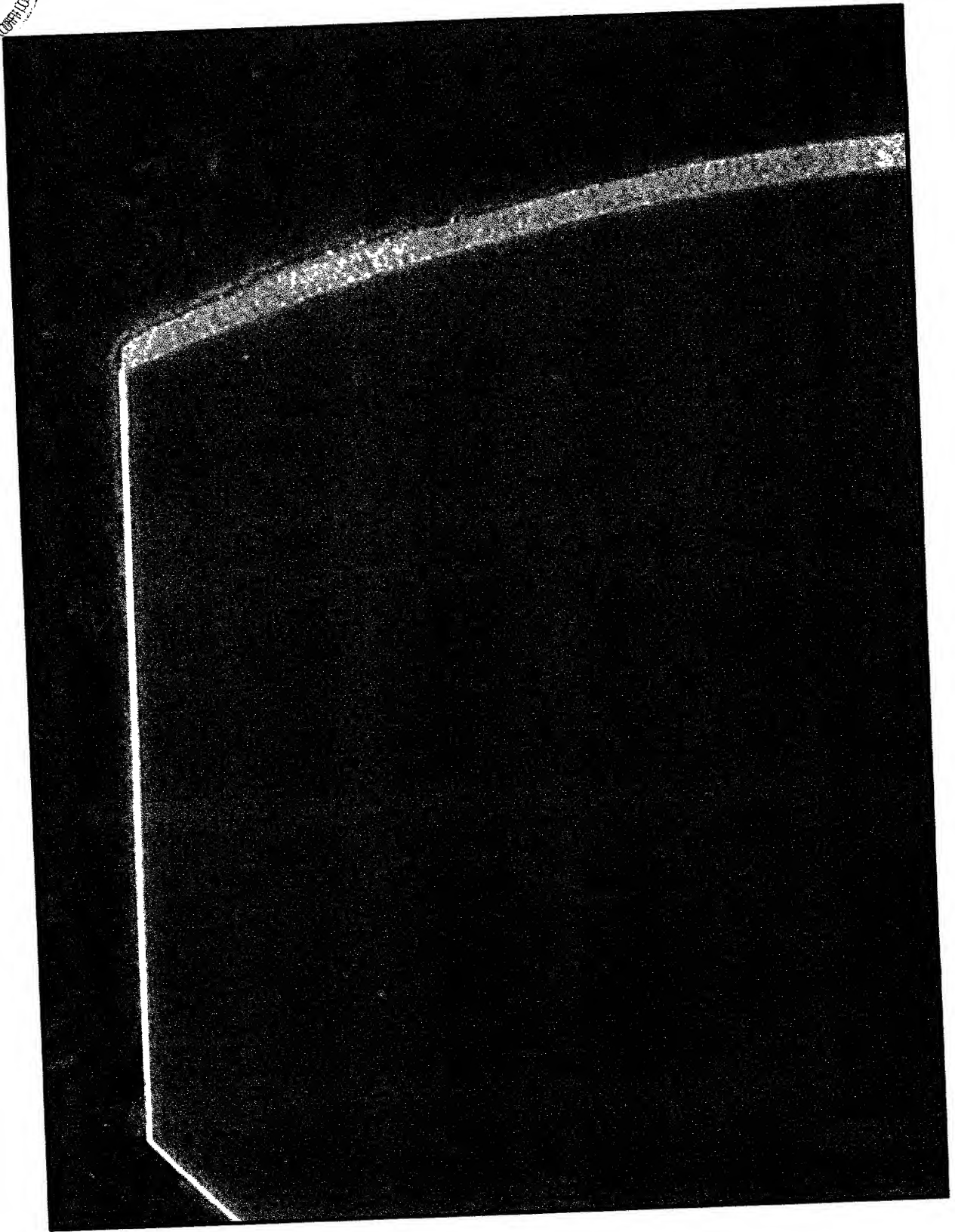


FIG. 1

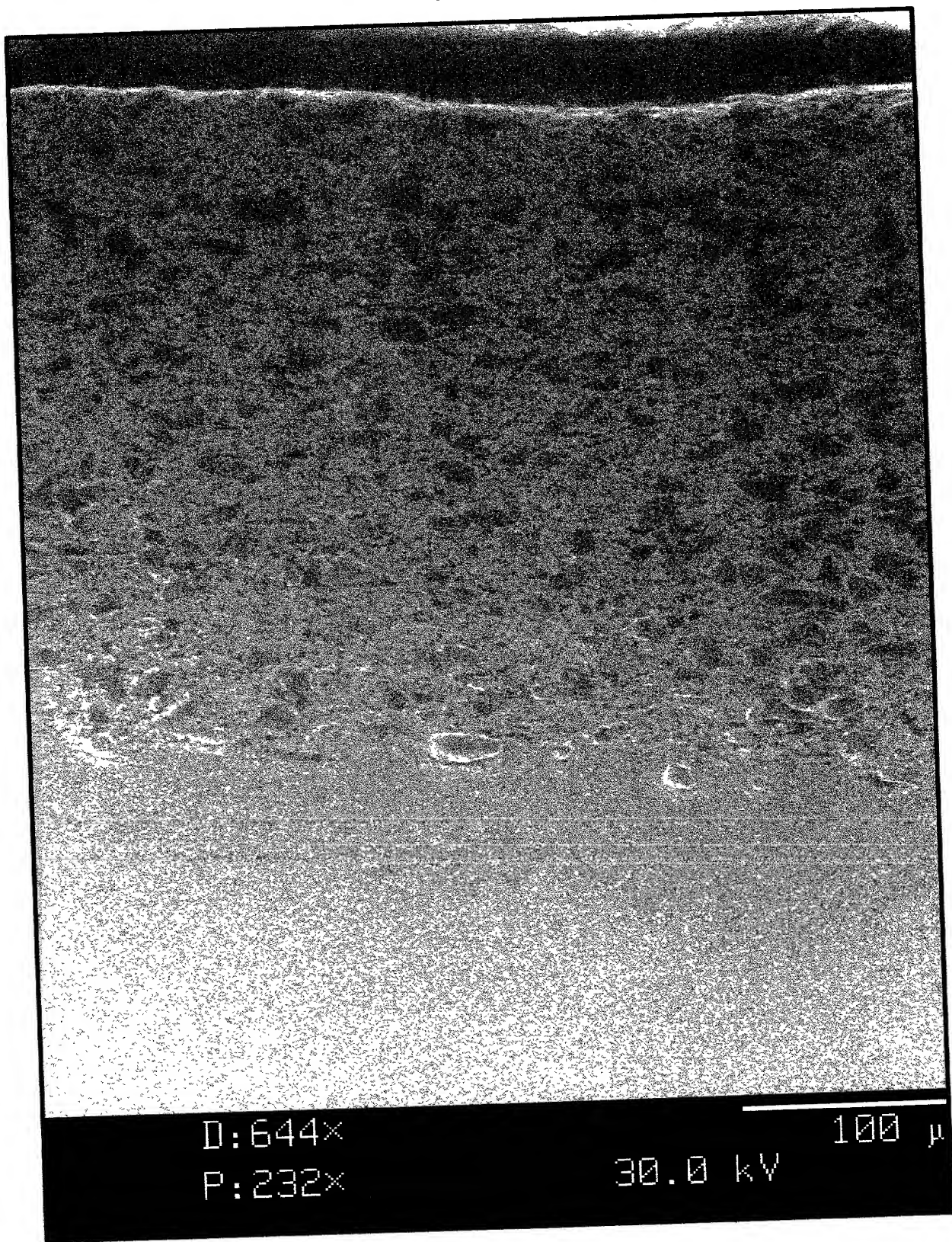


FIG. 2

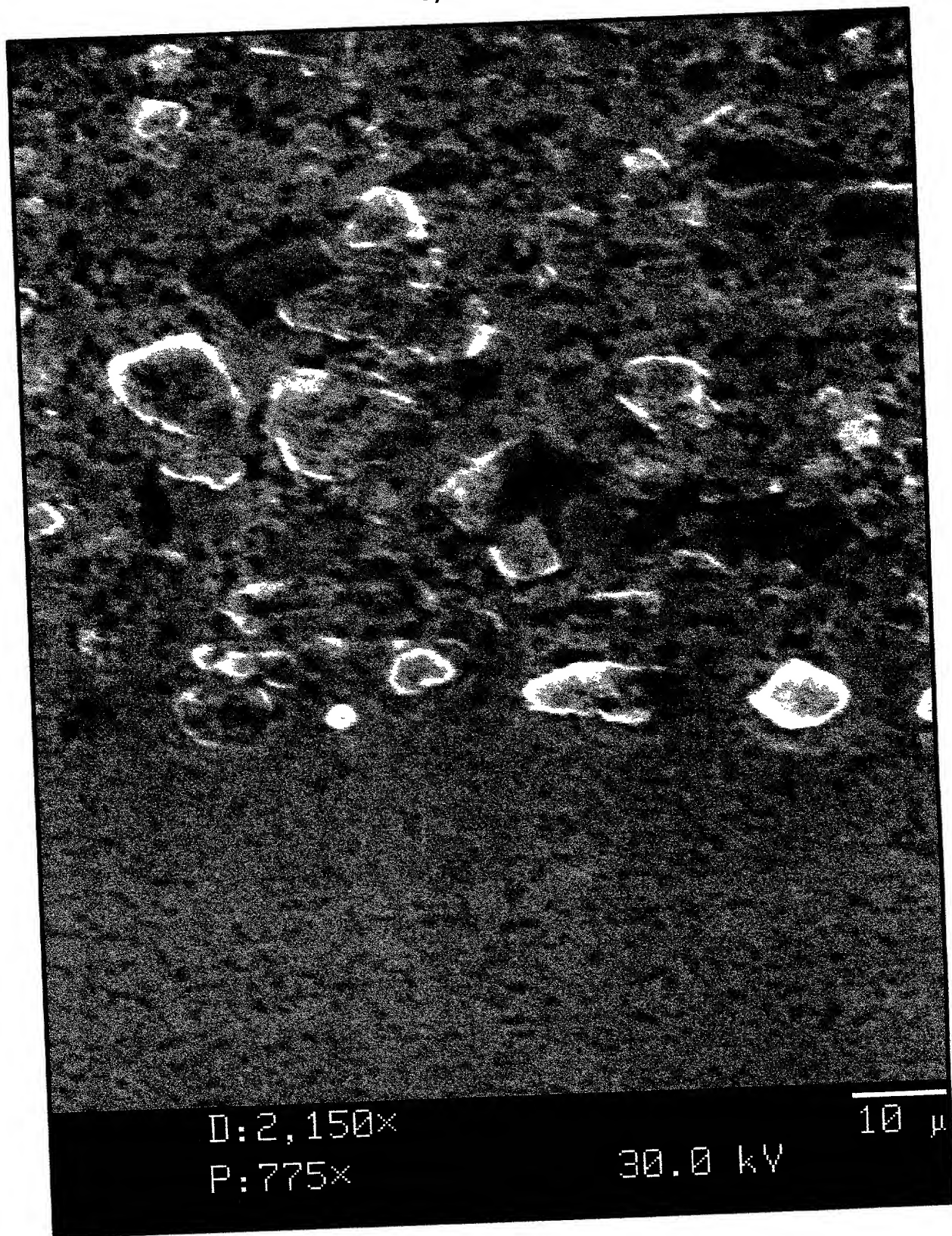
099344-430
REF ID: A64266

FIG. 3

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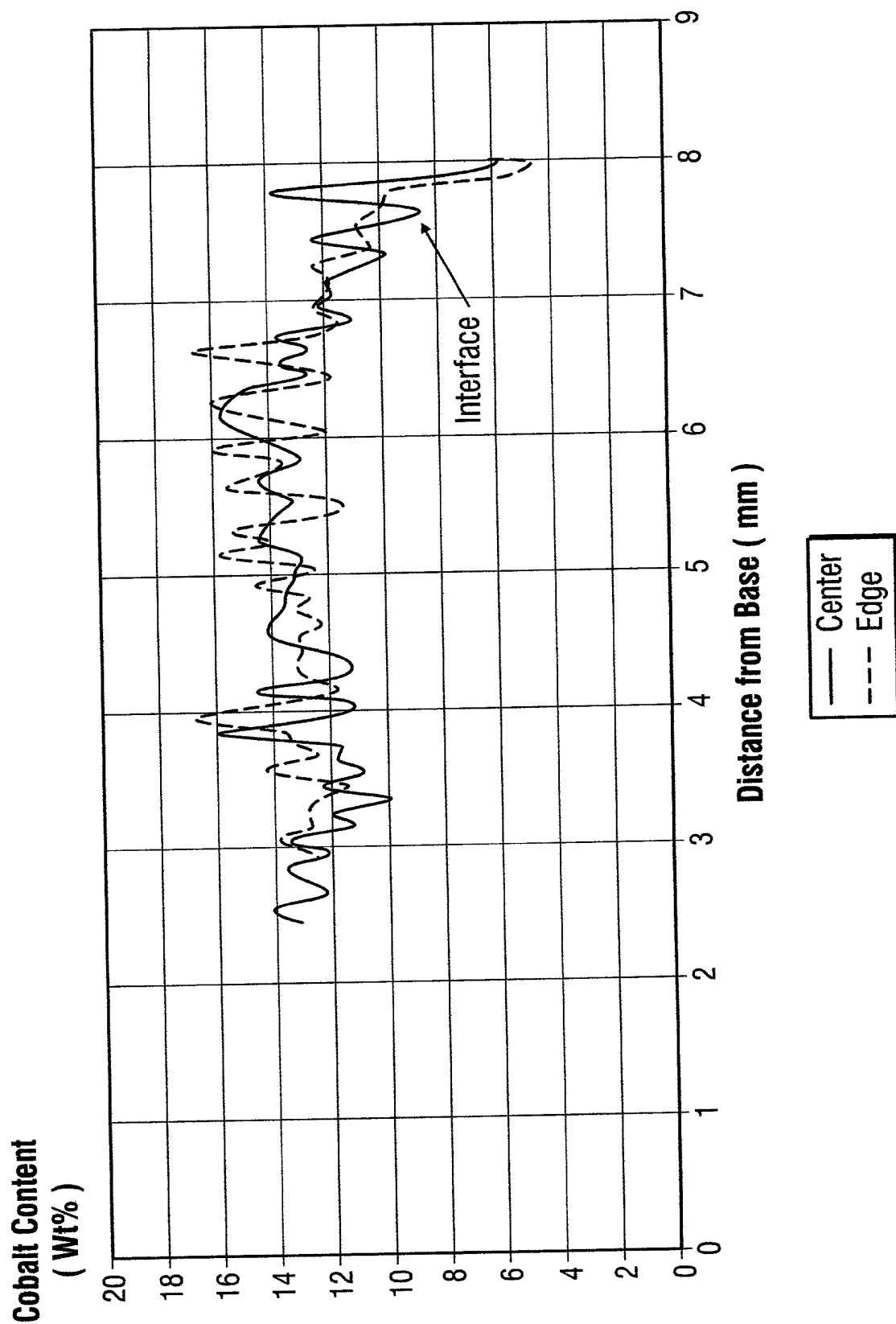


FIG. 4

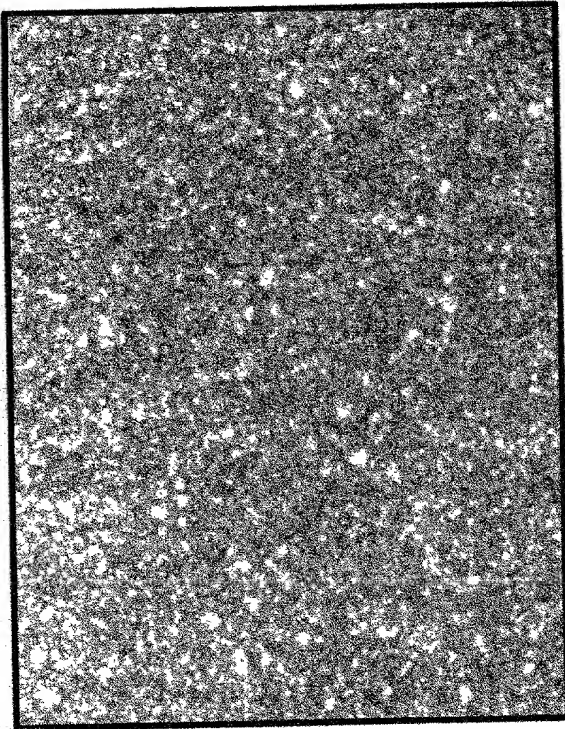


FIG. 5

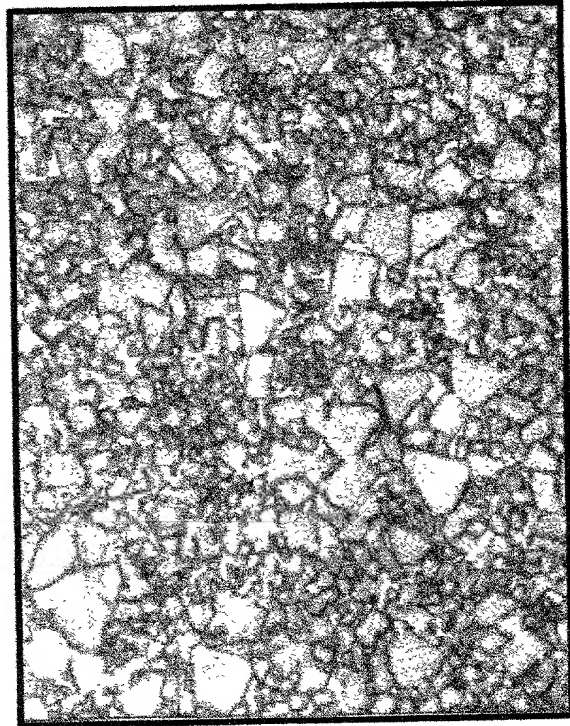


FIG. 6



FIG. 7

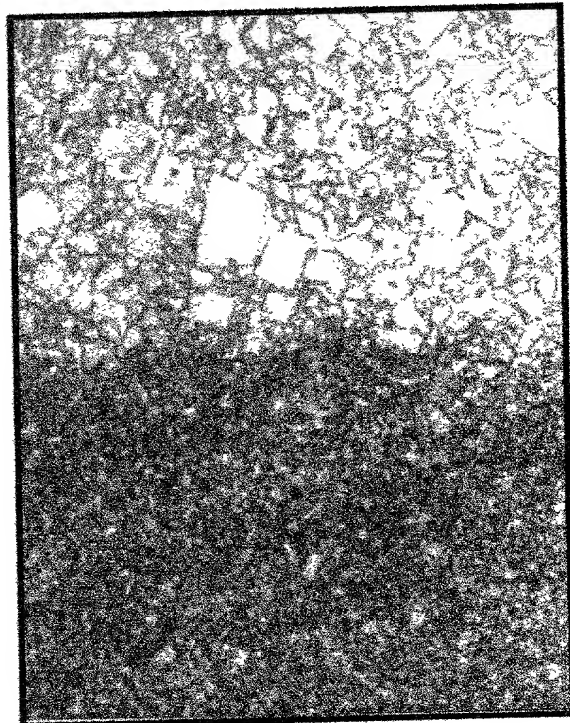


FIG. 8

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FIG. 9

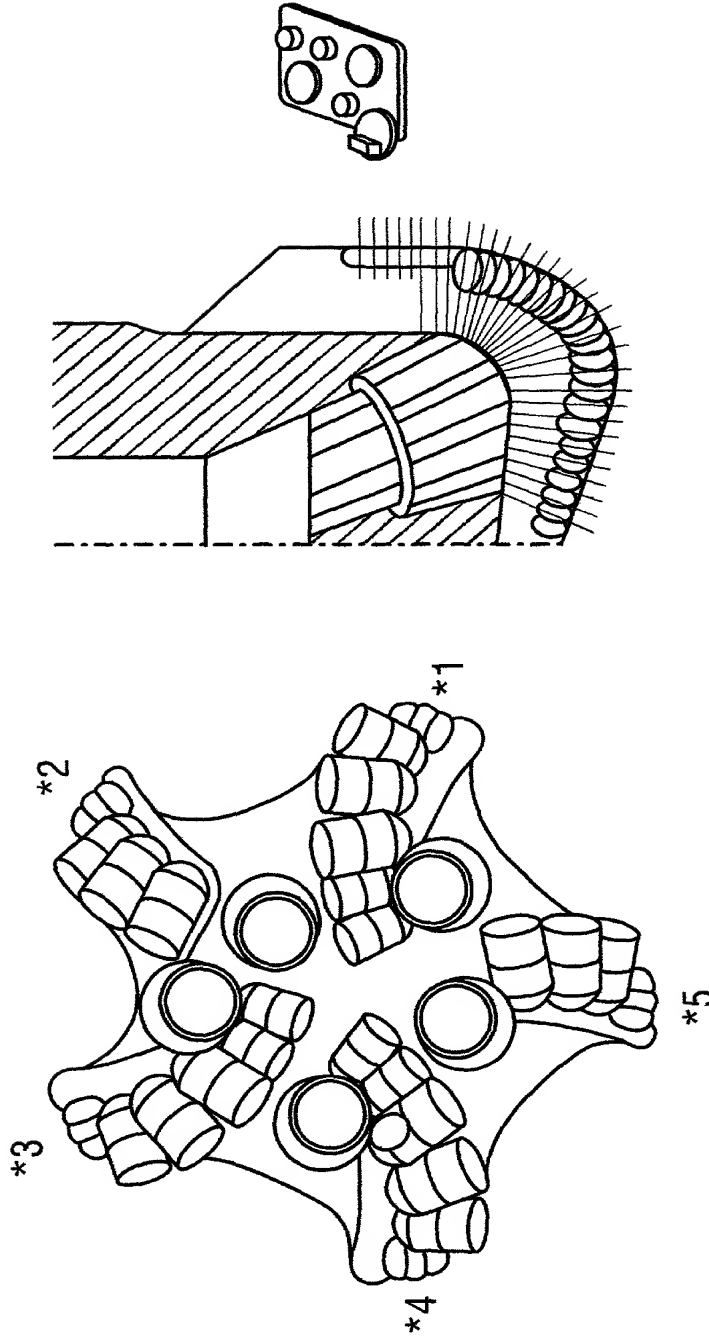


FIG. 9

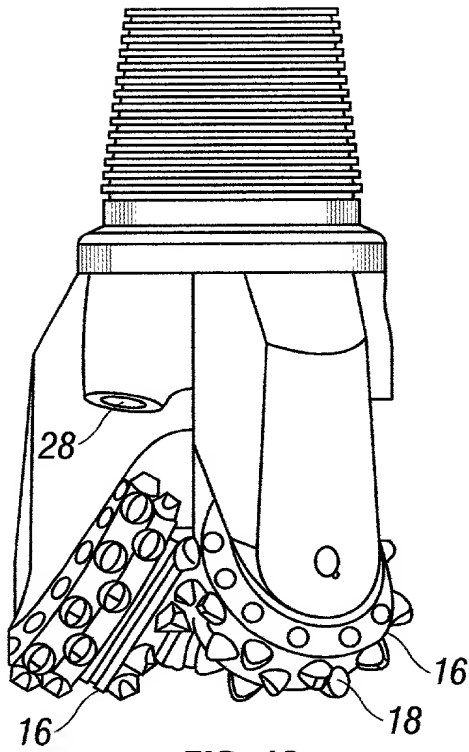


FIG. 10

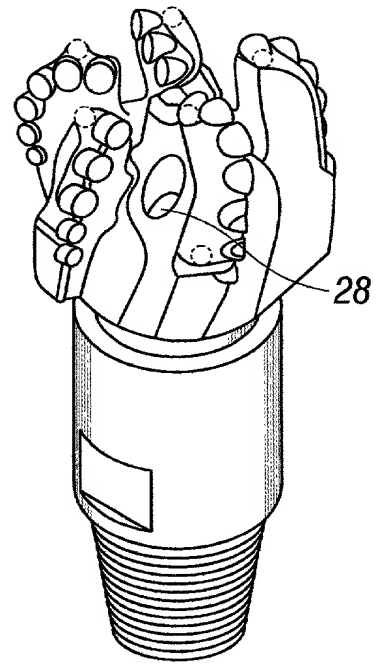
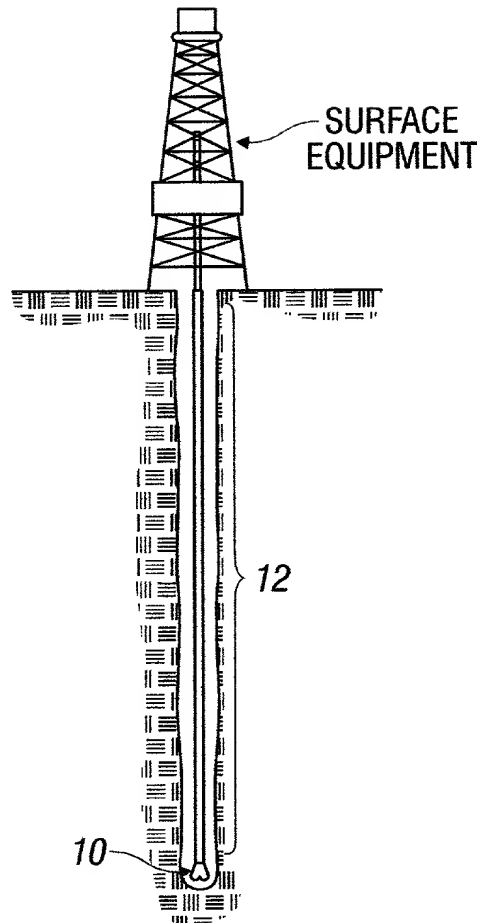
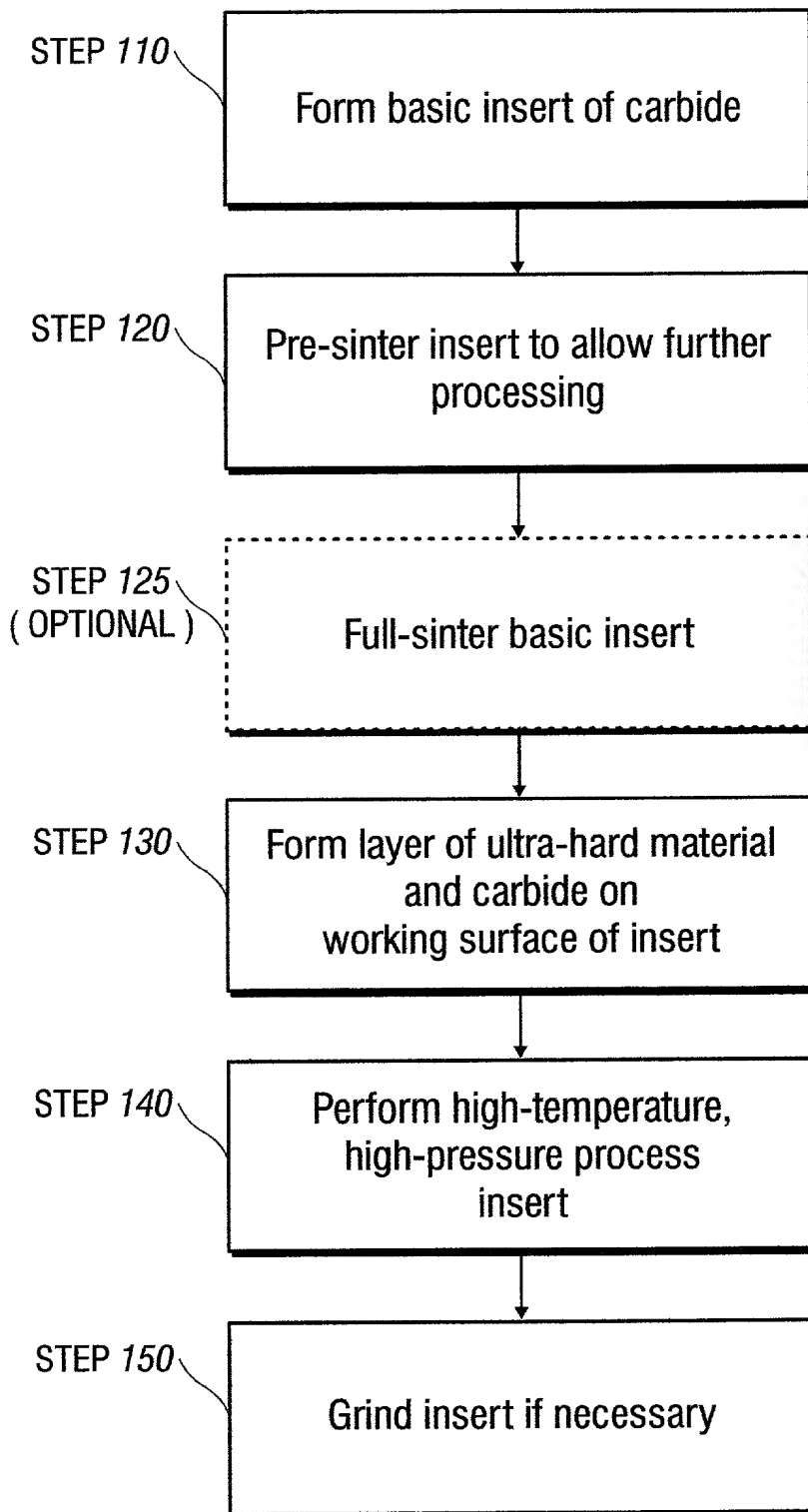


FIG. 11





Grade	Composition
11493 (composite)	60% N410, 40% NP32
N410	10% cobalt, balance 4 micron WC
NP32	6% cobalt, balance submicron WC

FIG. 14

Grade	Density	Hardness	TRS*	HC*	Porosity
N410	14.55	88.5	400,000	95	A02
NP32	14.95	92.7	380,000	280	A02
11493	14.70	90.2	400,000	160	A02

FIG. 15